

# marantz®

## AV RECEIVER

### SR5400



Black available

### SR5400 AV Receiver

## NEW

The Marantz SR5400 Digital Surround Receiver is a high-performance, high-power home theater receiver that offers outstanding home theater surround sound quality and operational flexibility. It features DTS ES, NEO:6 decoding, Dolby Pro Logic II and Circle Surround 6.1. The SR5400 features an equal power amplifier section, with high current discrete output on all channels. Highly accurate 96kHz/24-bit audio D/A converters handle the analogue to digital conversion, resulting in more faithful sound quality compared to the original source. It is built to Marantz standards with refinements such as a metal faceplate, video off mode and high grade components. Experience your movies and music in dynamic Marantz style. The SR5400 comes complete with an easy-to-use pre-programmed remote control, for totally integrated home entertainment.

**6.1CH** IN/OUT

**COMPONENT VIDEO**  
IN/OUT

**S-VIDEO**  
IN/OUT

**90wX6ch**

**DOLBY**  
DIGITAL • EX  
PRO LOGIC II

EXTENDED  
**dts** 96 ES  
24 NEO6  
SURROUND

**CS II™**  
by **SRS**

**SRS**  
TruSurround XT  
HEADPHONE

**24-BIT** 192kHz

R A N G E S E R I E S

because music matters

## Features:

- Latest generation of DSP from Cirrus Logic decodes DTS ES, 96/24 decoding, Dolby Digital EX, Dolby Pro-Logic II and Circle Surround 6.1
- Wide range full discrete amplifiers with 90W RMS per channel
- 6.1 Channel direct input
- Component Video in/out
- High Grade Video Switching with Video Off
- Firmware update through RS-232C port
- TruSurround Headphone
- Pre-programmed system Remote Control and Marantz D-BUS system

## Benefits:

- Provides excellent characteristics in differently encoded movie and music soundtracks. The advantages are an extended dynamic range, improved transparency, separation and imaging resulting in an enveloping realistic and natural soundstage.
- Excellent frequency response and superb sonic performance for the highest standard such as SACD and DVD-Audio
- Direct connection of analogue feeds to allow connection of multi channel formats like SACD
- High quality video connection for maximized video content reproduction
- Flexibility in source selection, Optimised audio and video quality
- Make today's receiver for tomorrow's standard ready
- Personalised Realistic Surround Sound reproduction
- Flexible system integration and total control by using one remote handset

## Technological glossary:

### Power Your Home Theater

The SR5400 is capable of generating 90 watts of discrete power into all 6 channels. The large power supply incorporates a high current power transformer, with ample capabilities to drive low impedance loudspeakers. The SR5400 incorporates an extensive array of digital and analog audio

### Dolby Digital EX

Dolby Digital EX brings a new dimension of depth, spacious ambience and sound localization to home theater environment. The benefits of DD-EX include more realistic flyover and fly-around effects, a more stable image for atmospheres and music and a more consistent surround effect throughout the auditorium or home viewing area.

### DTS-ES, 96/24 decoding

The DTS-ES surround system offering a superb sound quality and a range of formats. The Discrete 6.1 offers the ultimate quality of surround field creation, while the Matrix 6.1 provides compatibility for the existing DTS 5.1 software. And the Neo:6 is to create 6.1 surround stage from any two channel source. DTS 96/24 allows for 5.1 channel sound track encoding at a rate of 96kHz/24 bits on DVD-Video titles. Higher sampling rates provide greater bit depth and allow a wider frequency response. In conjunction with the use of anti-alias and reconstruction filters DTS 94/24 results in a more transparent sound quality equivalent to the original soundtrack and is fully backwards compatible at the same time.

### Dolby Pro Logic II music and movie

Dolby Pro Logic is capable of producing a Multi Channel soundstage using only a two channel source, meaning that normal TV broadcast can only be decoded using this decoding technique. Now the standard is being succeeded by the Dolby Pro Logic II format, offering the full frequency range across all channels and even with a stereo soundfield on the surround speakers. This experience of two channel decoding adds a more realistic element to watching TV and is fully compatible with the Dolby Pro Logic standard.

### CS II

Circle Surround II is a powerful and versatile multi-channel technology designed to enable up to 6.1 multi-channel surround-sound playback from mono, stereo, CS encoded sources and other matrix encoded sources. CS-II places the listener "inside" the music performances and dramatically improves the separation and image positioning of both hi-fi audio conventional surround-encoded video material, adding a heightened sense of realism.

### Experience the emotion

Music and sound track reproduction is enhanced through a highly efficient source direct switch, which bypasses the total A/V section in audio mode. In direct mode, interference and disturbance by radiated electrical or magnetic fields are minimized, ensuring the shortest signal path for the highest degree of clarity and detail. Highly accurate 192kHz/24-bit audio D/A converters process the analog to digital conversion, resulting in a far more faithful sound quality compared to the original source. It encompasses the Marantz heritage with refinements such as a metal alloy faceplate, a efficient video off mode and high grade components.

### Convenience & Functionality's

The SR5400 presents multiple surround modes, like hall, stadium, virtual, matrix, movie and 6-channel stereo. The extensive feature list, such as auto preset tuning (program up to 30 stations), manual station naming, display dimmer, delay function and clock/timer characterize the functionality of the SR5400. An easy-to-use programmable, learning remote control allows full access to all of the operating functions and can be used for system operation as well. The unique Marantz D-BUS connection allows convenient linkage to other Marantz components.

With the Marantz audio system placed in the main room of the house, a second pair of loudspeakers can be placed at a separate room. In those rooms an audio source can be selected separately at a different sound level, even with full remote controlled functionality. Not only sound but even video signals can be handled in such a way that in the separate room a video source with OSD feature can be selected.

### **In Marantz style**

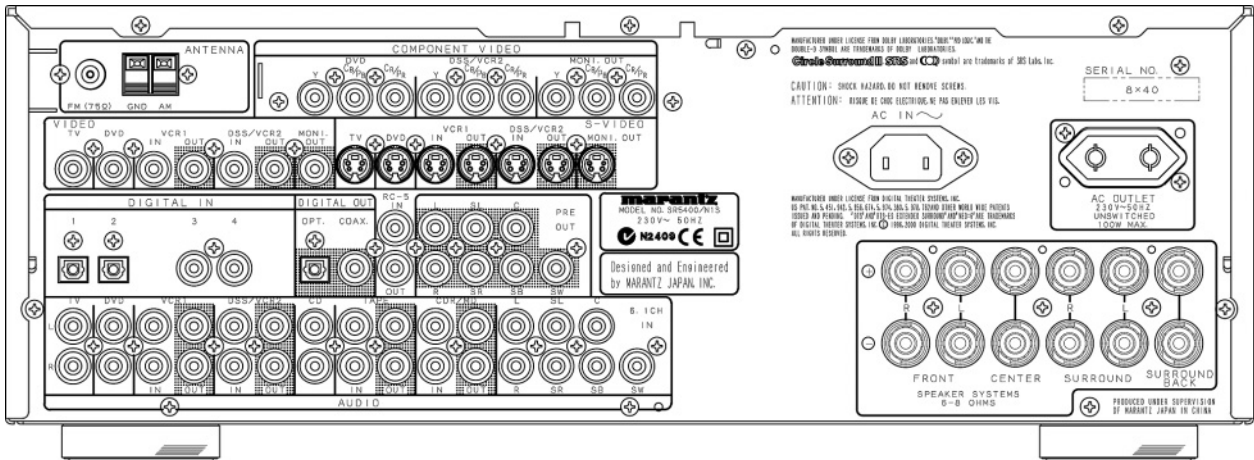
To control entire system with one remote handset, Marantz has designed the D.Bus system. Individual devices inform each other and remote control commands are communicated via this bus line. The SR5400 comes with a pre-coded remote control, for full intuitive and extensive system control.

## **Bypacked Accessories**

- User manual
- Power cable
- Remote control
- Batteries
- FM antenna
- AM loop antenna

### **RC5400SR**





# SR5400

# Preliminary Specifications

## FEATURES

- MULTICHANNEL SURROUND
- THX Certification
- THX Surround EX
- DTS ES(Matrix/Discrete), Neo:6, DTS96/24
- Dolby Digital DD / DD-Ex
- Dolby Pro Logic DPL / DPL II
- Circle Surround 6.1
- Virtual Surround
- Multi Channel Stereo
- Other Surround Modes
- Headphone Surround TruSurround Headphone
- Auto Surround Mode Detection
- HDCD Decoder

## SOUND ENHANCEMENTS

- Current Feedback Topology
- Discrete Amplification (All)
- Power Transformer EI
- Linear Drive Power Supply
- Copper Plated Chassis
- D/A Conversion 192kHz/24bit All Channel
- A/D Converter 192kHz / 24bit
- Digital Signal Processing 32bit
- Digital Signal Processor CS49400
- Adaptive Double Differential Control
- Video Off
- High Grade Component Video Switching
- Source Direct
- System Blocks Shielding
- High Grade Audio Components
- Customised Components
- Intelligent Silent Cooling system
- Chassis Stabilisation Bracing

## OTHERS

- GYRO Touch Tuning
- Random Tuner Presets 50
- RDS PS, PTY, RT
- Speaker Distance Correction
- On Screen Display
- Auto TV Switching (On/Off)
- Software Upgradable (RS-232)

## IN/OUTPUTS

- VIDEO
- Scart In/Out -/-
- Composite In/Out (incl monitor out) 5/3
- S-Video In/Out (incl monitor out) 5/3
- Component In/Out 2/1
- Gold Plated In/Out (Cinch) -
- AUDIO
- Analogue In/out 8/4
- Digital Optical In/Out 2/1
- Digital Coaxial In/Out 2/1
- Gold Plated In/out -
- OTHER
- Pre-Amplifier Out 6.1 channels
- Main Amplifier In -
- Multi-Channel In 6.1 channels
- Speaker Terminal Heavy Duty Screw, 6 channels
- Multi-Room Audio Out -
- Multi-Room Video Out -
- D.Bus In/Out
- Multi-Room D.Bus In/Out -
- External IR In/Out -
- IR Flasher In -
- RS232C -
- DC Triggers -
- AC Outlets (Not for UK Model) 1 x Unswitched
- Front Inputs Audio/Composite/S-Video
- Headphone Out

## SPECIFICATIONS

- AUDIO SECTION
- Power Output 90W/ch (8 ohm)
- Signal to Noise Ratio 105 dB
- Freq. Response (Analogue In) 10Hz - 100kHz (+/- 3dB)
- Freq. Response (Dig In) 8Hz - 45 kHz (+/- 3dB)
- Input Sensitivity/Impedance 168mV / 47kohm
- TUNER SECTION FM
- Frequency Range 87.5 - 108 MHz
- Signal to Noise Ratio 75 / 70 dB (mono/stereo)
- Distortion (Mono/Stereo) 0.2 / 0.3 %
- Channel Selectivity 60 dB (+/-300kHz)
- Usable Sensitivity 1HF 1.8uV / 16.4 dBf
- Channel Separation 45 dB (1kHz)
- TUNER SECTION AM
- Frequency Range 531-1602kHz (MW)
- Signal to Noise Ratio 50 dB
- Distortion 0.5% (400Hz 30% mod)
- Channel Selectivity 60 dB (+/-18kHz)

## GENERAL

- Color Black / Silver
- Metal Front Panel
- Remote Control RC5400SR
- System Remote Function Pre-Coded
- Power Consumption t.b.d.
- Detachable Power Cable
- Maximum Dimensions (W x D x H) 440 x 160 x 463 mm
- Weight t.b.d.

Design and specifications are subject to change by Marantz without notice